



29th

# BaSS

Congress  
**Belgrade**

April 24-26, 2025

# Abstract Book





**Organized by Balkan Stomatological Society - SRB**

**29<sup>th</sup> Congress of the  
BALKAN STOMATOLOGICAL SOCIETY**

**ABSTRACT BOOK**

**April 24 - 26, 2025**

**Sava Center**

**Belgrade, Serbia**

## **I. Message from the President of the 29<sup>th</sup> BaSS Congress**

Dear Colleagues and Friends,

On behalf of the Serbian Section of the Balkan Stomatological Society (BaSS), and under the auspices of the BaSS Council Members, it is my great pleasure to welcome you to the 29th BaSS Congress in Belgrade.

As in previous years, the 29th BaSS Congress aspires to serve as a dynamic platform for uniting dental professionals from across the Balkans. Our goal is to share up-to-date, world-class knowledge, explore modern international practices, and foster the exchange of experiences- both with leading global experts and among ourselves. This collaborative spirit offers valuable insight into the latest developments in dental science, clinical practice, and emerging technologies.

True to the tradition of BaSS, the Congress will feature a broad and engaging scientific program that spans a wide range of relevant and compelling topics in dentistry. This year, we are placing a special focus on the current and future applications of digital technologies and artificial intelligence in dental practice, with particular attention to their role within the regional context of the Balkan countries.

The Congress will host over 60 distinguished international and regional speakers, delivering a rich and diverse program that includes plenary lectures, round tables, meet-the-expert forums, workshops, oral poster presentations, covering the most innovative themes in our field.

We hope you will find the scientific program both inspiring and informative, and that you will also take the opportunity to enjoy the vibrant social and cultural life of the city of Belgrade.

**Professor Dejan Marković**

**President of the 29<sup>th</sup> BaSS Congress**

## **II. Message from the President of the Balkan Stomatological Society (BaSS)**

Dear Colleagues and Friends,

I am happy to invite you to the 29th Congress of the Balkan Stomatological Society (BaSS) that will be held in Belgrade, Serbia, from 24<sup>th</sup> to 26th of April 2025.

Dentistry is a constantly developing profession and dentists need to constantly renew their knowledge and information to take into account the latest developments. Being 'ahead of the game' is what our members of society expect from us.

As an Organizing Committee, we aim to create a stimulating and informative congress that will benefit all attendees from the Balkan peninsula. We remain dedicated to delivering outstanding quality and experience to our participants and providing access to the latest technologies, techniques, and trends that will enable dental professionals to offer exceptional care to their patients.

We would like to see all our colleagues in the beautiful city of Belgrade.

Best wishes,

**Prof. Dr. Ender Kazazoglu**

**President of the Balkan Stomatological Society (BaSS)**

**III. Contents:**

Congress Committees .....	IV
BaSS Council .....	V
Scientific programme - schedule .....	VII
Invited Lecturers .....	1
Round tables .....	73
Workshops .....	76
Sessions:	
Endodontics I .....	82
Dental Materials .....	123
Diagnostic Sciences .....	147
Prosthodontics I .....	158
Cariology .....	183
Maxillofacial Surgery .....	192
Pediatric Dentistry I .....	200
Endodontics II .....	205
Prosthodontics II .....	220
Orthodontics I .....	273
Digital Dentistry .....	301
Prosthodontics III .....	311
Orthodontics II .....	333
Basic Sciences .....	345
Oral Surgery / Implantology .....	358
Periodontology .....	389
Pediatric Dentistry II .....	405
Oral Medicine .....	420
Oral Epidemiology, Dental Public Health .....	434
Pediatric Dentistry III .....	442
Education .....	474
National Day .....	488

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**OP 110****USE OF BOTULINUM TOXIN IN MASSETERIC MUSCLE HYPERTROPHY**

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**Objective:** Unilateral and bilateral masseteric muscle hypertrophy is an idiopathic enlargement of the masticatory muscles without age and sex prevalence. Today it is often found and diagnosed in patients with temporomandibular disorders like bruxism and other stress-related teeth clenching and grinding. This case report aims to evaluate the effect of botulinum toxin therapy in patients with bilateral masseter hypertrophy.

**Method:** A 30-year-old female patient, with a tender bilateral masseteric enlargement due to a severe form of bruxism, was treated with a stabilization Michigan splint for three months. After initial therapy, she was injected with 60 units of botulinum toxin (Dysport 500) diluted in 3ml sterile, preservative-free saline solution (0.9% sodium chloride injection solution) in each masseteric muscle.

**Results:** Four weeks after treatment the patient reported a significant reduction in pain symptoms and muscle strength. She also noticed slimming of the lower third of the face and a rounded mandibular angle. Clinical palpation post-treatment revealed a reduction in muscle strength and we had a high patient satisfaction level.

**Conclusion:** Neuromodulators have been successfully used to control painful symptoms and aesthetic de-bulking of the masseter muscle. Further research is required to ensure the safe and effective use of neuromodulators in this common disorder.

**Keywords:** bruxism, masseteric hypertrophy, botulinum toxin